Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
Docket No.:   BEAS-01351US3   Inventor(s): Kathiravan Sengodan
Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
Filed: Herewith   Express Mail No.:EV 327 616 845 US
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FIGURE 1

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA....
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Filed: Herewith   Express Mail No.:EV 327 616 845 US
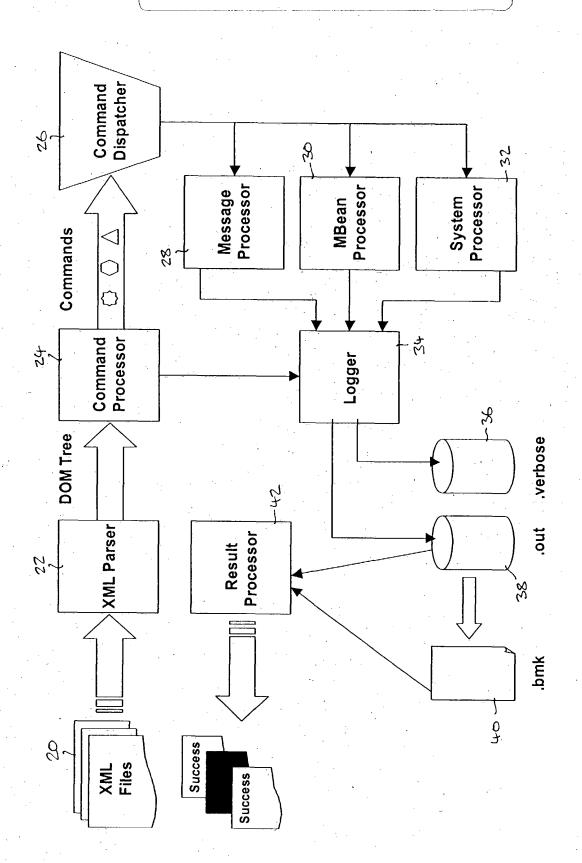   Sheet 2 of 19

FIGURE 2

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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Serial No.:   Unknown   Atty/Agent: Karl Kenna
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Filed: Herewith   Express Mail No.:EV 327 616 845 US
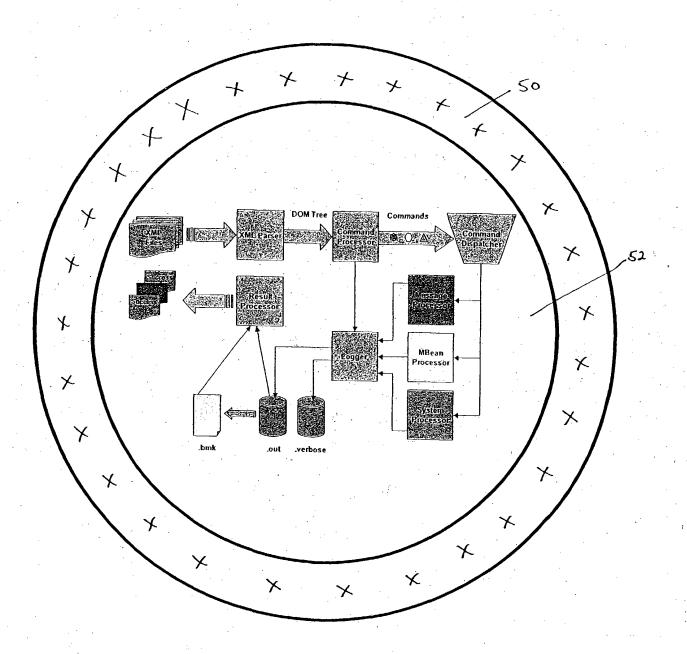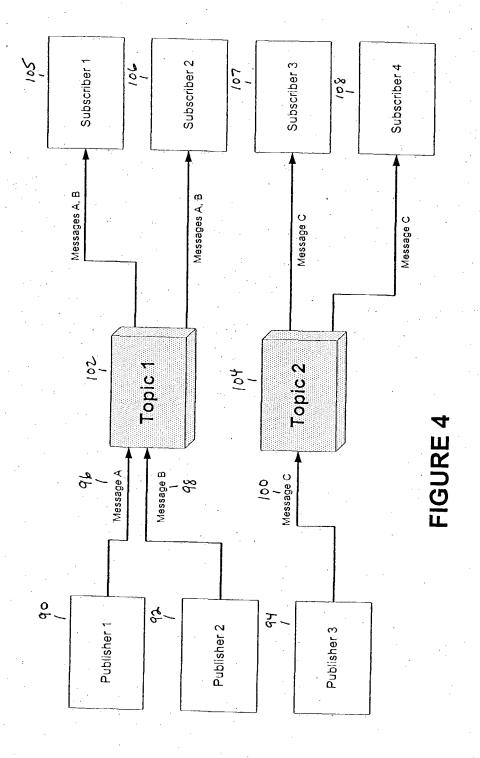   Sheet 3 of 19

FIGURE 3

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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FIGURE 4

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
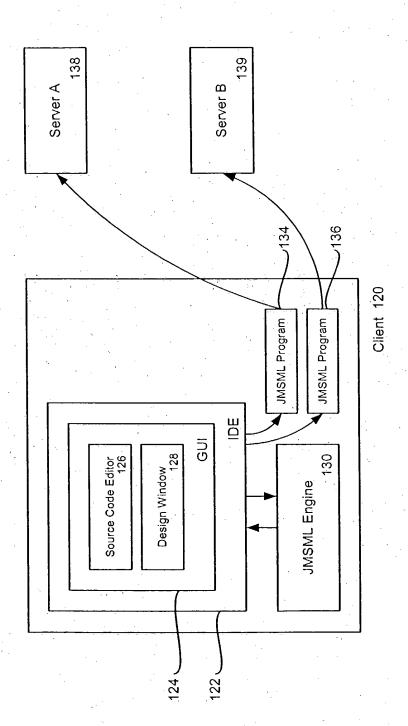Docket No.: BEAS-01351US3   Inventor(s): Kathiravan Sengodan
Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
Filed: Herewith   Express Mail No.:EV 327 616 845 US
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FIGURE 5

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Existing source file(s) — 140

Manual User Script Input

144

IDE Source Window

146

IDE Design Window

JMSML Operation Tree — 148

Verbose Log Results — 152

Error Log Results — 154

Output Log Results — 156
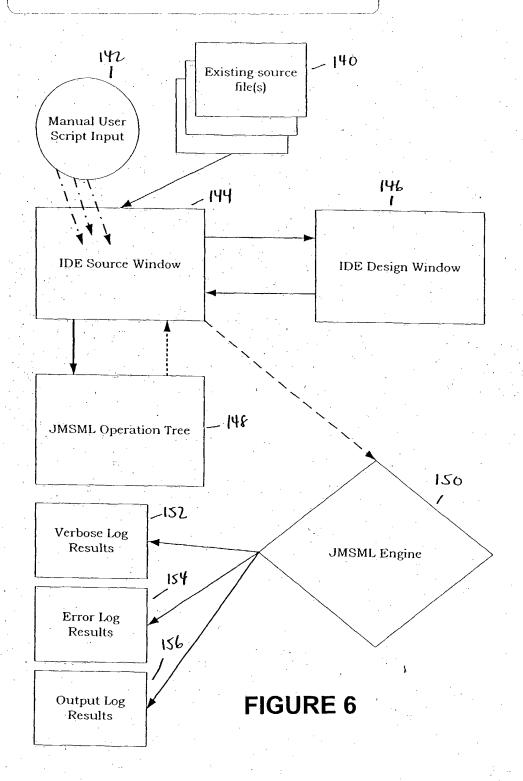
JMSML Engine — 156

FIGURE 6

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
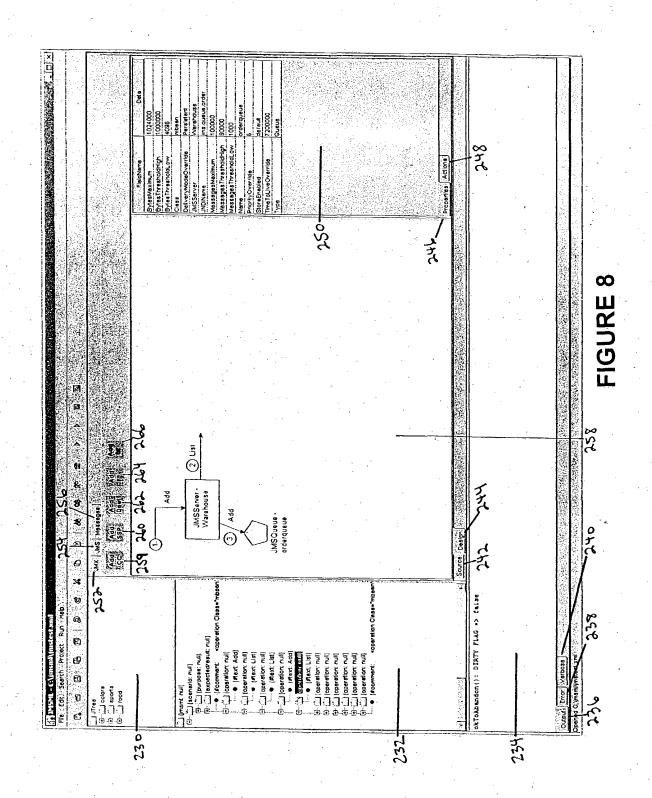Filed: Herewith   Express Mail No.:EV 327 616 845 US
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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE jmsml PUBLIC "-//BEA Systems Inc//DTD JMSML Specification 1.0 JMSML//EN" "jmsml.dtd">

<jmsml>
  <scenario Name="Dynamic Queue creation" Verify="false">
    <purpose>
      To test the dynamic creation of queue
    </purpose>
    <expectedresult>
      JMS queue destination should be successfully created with the specified attributes. In order to verify th
      are two additional operations are done as below.

      1. Take the statistics information of the JMSServer "Warehouse" before and after the creation of the queue destin
         see the newly created queue is been added the current destination count of the JMSServer "Warehouse".

      2. A sender and receiver will be created to send and receive a text message to and from the newly created "orderq

      If the above two operations are successful, the test is declared as PASSED. Otherwise the test is declared as PA
    </expectedresult>
    <operation Class="mbean" Name="Warehouse" Targets="examplesServer" Type="JMSServer">
      Add
    </operation>
    <operation Class="mbean" Name="Warehouse" Type="JMSServer">
```

JMSServer : Warehouse was added to server : examplesServer !
Error adding JMSServer : Warehouse
Exception: com.bea.jmsml.engine.JMSMLException: weblogic.management.MBeanCreationException: - with nested exception:
(javax.management.InstanceAlreadyExistsException: examples:Name=Warehouse,Type=JMSServer)
Flushing out and closing files

```
Name                   : Warehouse
Targets[0]             : examplesServer
BytesMaximum           : -1
BytesThresholdHigh     : -1
BytesThresholdLow      : -1
MessagesMaximum        : -1
MessagesThresholdHigh  : -1
MessagesThresholdLow   : -1
BytesPagingEnabled     : false
MessagesPagingEnabled  : false

Name                   : Warehouse
```

FIGURE 7

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
Docket No.: BEAS-01351US3   Inventor(s): Kathiravan Sengodan
Serial No.:   Unknown   Atty/Agent: Karl Kenna
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FIGURE 8

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
Docket No.: BEAS-01351US3   Inventor(s): Kathiravan Sengodan
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FIGURE 9

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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FIGURE 10

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
Docket No.: BEAS-01351US3   Inventor(s): Kathiravan Sengodan
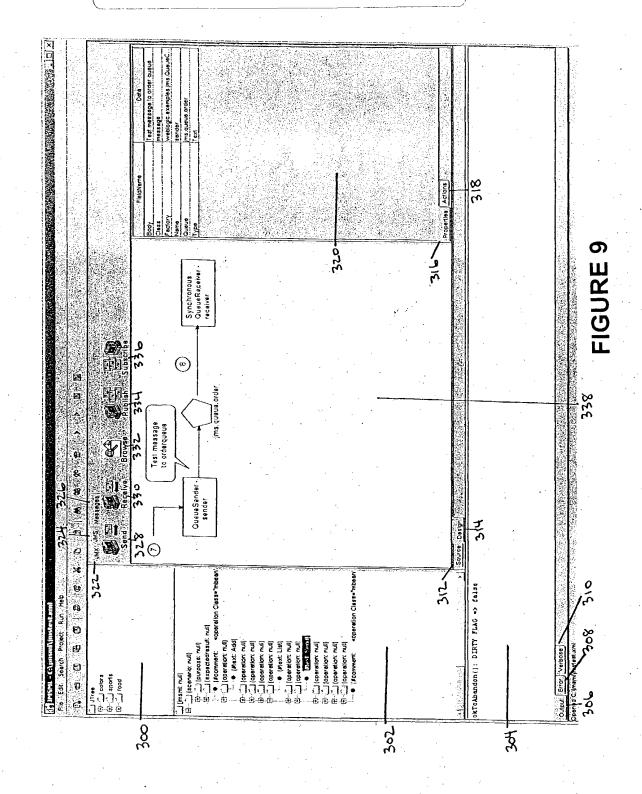Serial No.: Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
Filed: Herewith   Express Mail No.:EV 327 616 845 US
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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE jmsml PUBLIC "-//BEA Systems Inc//DTD JMSML Specification 1.0 JMSML//EN" "jmsml.dtd">

<jmsml>
  <scenario Name="Dynamic Queue creation" Verify="false">
    <purpose>
      To test the dynamic creation of queue
    </purpose>
    <expectedresult>
      JMS queue destination should be successfully created with the specified attributes. In order to verify t
      are two additional operations are done as below.

1. Take the statistics information of the JMSServer "Warehouse" before and after the creation of the queue desti
see the newly created queue is been added the current destination count of the JMSServer "Warehouse".

2. A sender and receiver will be created to send and receive a text message to and from the newly crated "orderq

If the above two operations are successful, the test is declared as PASSED. Otherwise the test is declared as FA
    </expectedresult>
    <operation Class="mbean" Name="Warehouse" Targets="examplesServer" Type="JMSServer">
      Add
    </operation>
    <operation Class="mbean" Name="Warehouse" Type="JMSServer">
```

FIGURE 11

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
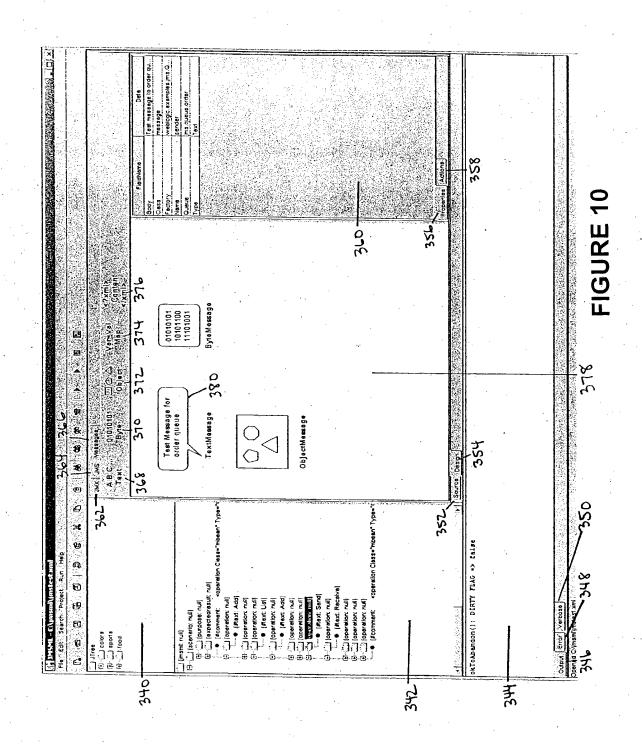Docket No.:   BEAS-01351US3   Inventor(s): Kathiravan Sengodan
Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
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430

432

<?xml version="1.0" encoding="UTF-8"?>

instest.xml   Opened   JMS

Line 1   Col 1   Opened   JMS

Source Design

434 436

438

```
<Operation
Class="mbean"
Name="Warehouse"
Targets="examplesServer"
Type="JMSServer">
Add
User            : null
Password        : null
Release         : 7.0
Console         : false
Verbose         : false
SaveConfig      : false
TestCounterStart : -1
TestCounterEnd   : -1
TestCounterStep  : -1
SilentMode      : false
SaveConfig      : false
ParamIndex      : 1
Operation       : 1
OperationClass  : 100
Count           : -1
ObjectName      : Warehouse
ObjectType      : JMSServer
MessageType     : null
ListFilter      : null
Argts[0] - Targets
Values[0] - examplesServer
Constructing the MBeanProcessor
IC : com.bea.jmsl.engine.ExecutionContext@de5cd9
IC : javax.naming.InitialContext@a1d92a
Broadcaster Name : (Caching Stub)Proxy for examples:Location=examplesServer,Name=TheLogBroadcaster,Type=LogBroadcasterRuntime
Broadcaster Name : (Caching Stub)Proxy for examples:Location=examplesServer,Name=TheLogBroadcaster,Type=LogBroadcasterRuntime
Server Name : examplesServer
Server Name : examplesServer
0 session pools are found
getting destinations from examplesJMSServer
0 session pools are found
getting destinations from examplesJMSServer
5 destinations are found on examplesJMSServer
0 destination keys are found
```

Output Error Verbose

Opened C:/xml/instest.xml

420

422

424   426   428

FIGURE 12

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
Filed: Herewith   Express Mail No.:EV 327 616 845 US
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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE jmsml PUBLIC "-//BEA Systems Inc//DTD JMSML Specification 1.0 JMSML//EN" "jmsml.dtd">

<jmsml>
    <scenario Name="Dynamic Queue creation" Verify="false">
        <purpose>
            To test the dynamic creation of queue
        </purpose>
        <expectedresult>
            JMS queue destination should be successfully created with the specified attributes. In order to verify t
            are two additional operations are done as below.

1. Take the statistics information of the JMSServer "Warehouse" before and after the creation of the queue desti
   see the newly created queue is been added the current destination count of the JMSServer "Warehouse".

2. A sender and receiver will be created to send and receive a text message to and from the newly created "orderq

If the above two operations are successful, the test is declared as PASSED. Otherwise the test is declared as FA
        </expectedresult>
        <operation Class="mbean" Name="Warehouse" Targets="examplesServer" Type="JMSServer">
            Add
        </operation>
        <operation Class="mbean" Name="Warehouse" Type="JMSServer">
            List
        </operation>
        <operation Class="mbean" Name="Warehouse" Type="JMSServerRuntime">
            List
        </operation>
        <operation BytesMaximum="1024000" BytesThresholdHigh="1000000" BytesThresholdLow="4096" Class="mbean" Deli
rride="Persistent" JMSServer="Warehouse" JNDIName="jms.queue.order" MessagesMaximum="100000" MessagesThresholdHi
```

FIGURE 13

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
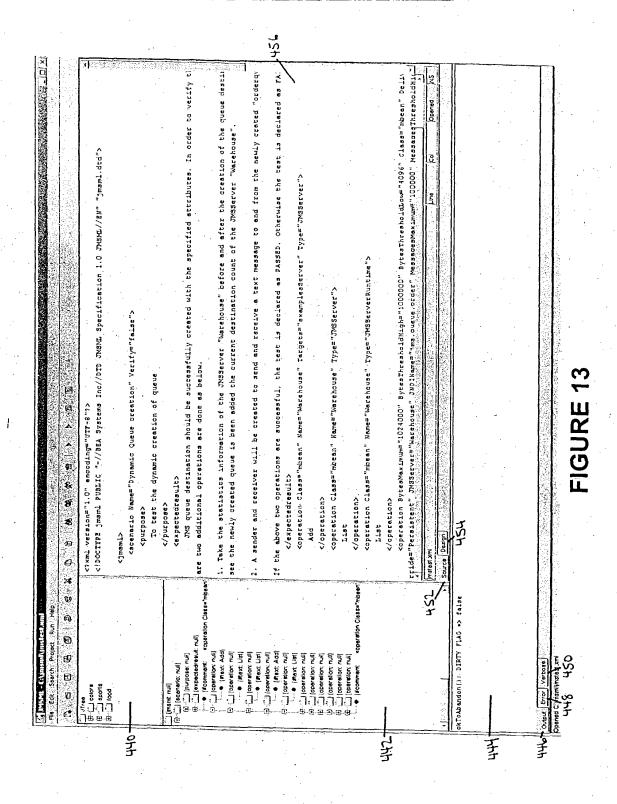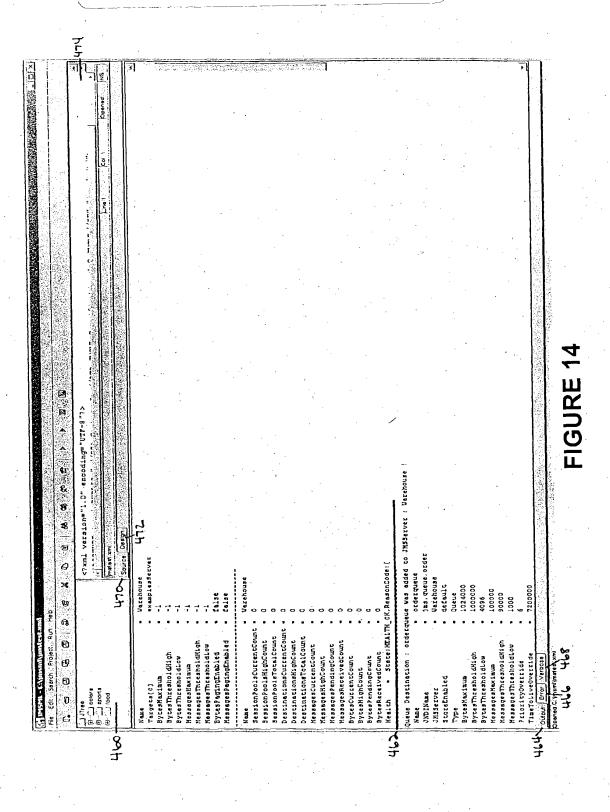Docket No.: BEAS-01351US3   Inventor(s): Kathiravan Sengodan
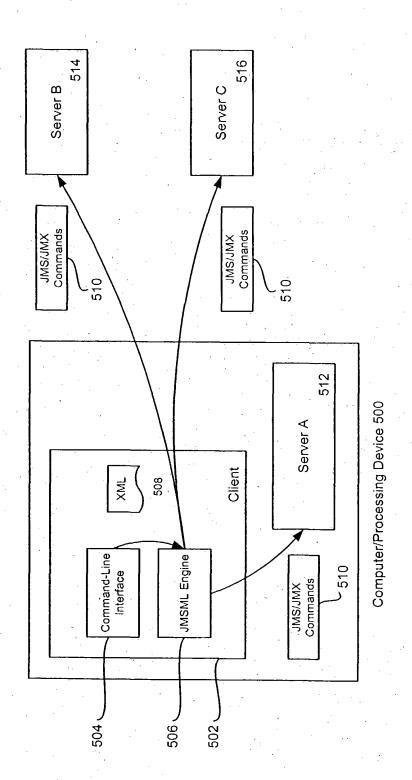Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
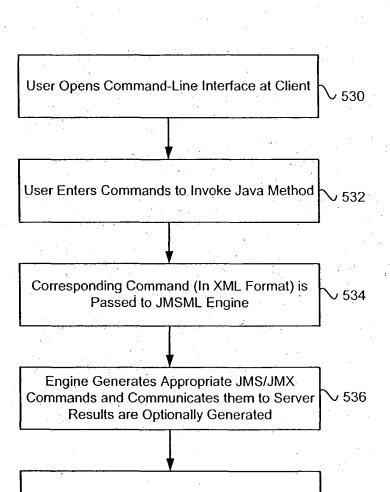Filed: Herewith   Express Mail No.:EV 327 616 845 US
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```
<?xml version="1.0" encoding="UTF-8"?>
```

```
Name                          : Warehouse
Targets(0)                    : examplesServer
BytesMaximum                  : -1
BytesThresholdHigh            : -1
BytesThresholdLow             : -1
MessagesMaximum               : -1
MessagesThresholdHigh         : -1
MessagesThresholdLow          : -1
BytesPagingEnabled            : false
MessagesPagingEnabled         : false

Name                          : Warehouse
SessionPoolsCurrentCount      : 0
SessionPoolsHighCount         : 0
SessionPoolsTotalCount        : 0
DestinationsCurrentCount      : 0
DestinationsHighCount         : 0
DestinationsTotalCount        : 0
MessagesCurrentCount          : 0
MessagesHighCount             : 0
MessagesPendingCount          : 0
MessagesReceivedCount         : 0
BytesCurrentCount             : 0
BytesHighCount                : 0
BytesPendingCount             : 0
BytesReceivedCount            : 0
Health         • State:HEALTH_OK,ReasonCode:[

Queue Destination : orderqueue was added to JMSServer : Warehouse :
Name                          : orderqueue
JNDIName                      : jms.Queue.order
JMSServer                     : Warehouse
StoreEnabled                  : default
Type                          : Queue
BytesMaximum                  : 1024000
BytesThresholdHigh            : 1000000
BytesThresholdLow             : 4096
MessagesMaximum               : 100000
MessagesThresholdHigh         : 90000
MessagesThresholdLow          : 1000
PriorityOverride              : 6
TimeToLiveOverride            : 7200000
```

FIGURE 14

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA....
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Serial No.:   Unknown   Atty/Agent: Karl Kenna
Confirm No: Unknown   Phone: (415) 362-3800
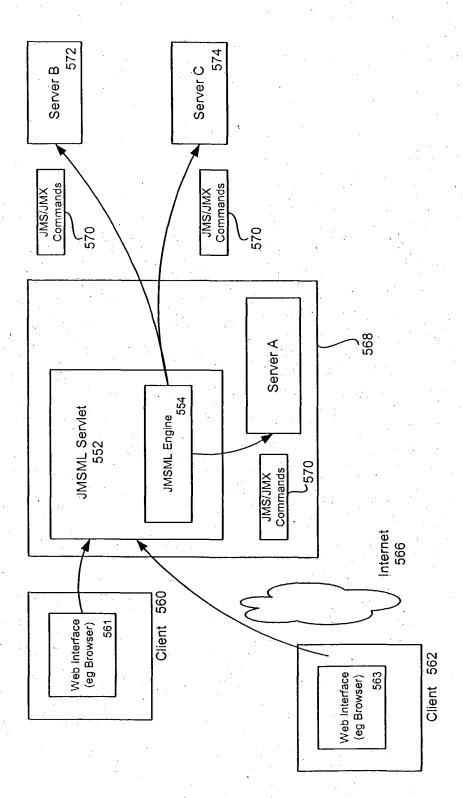Filed: Herewith   Express Mail No.:EV 327 616 845 US
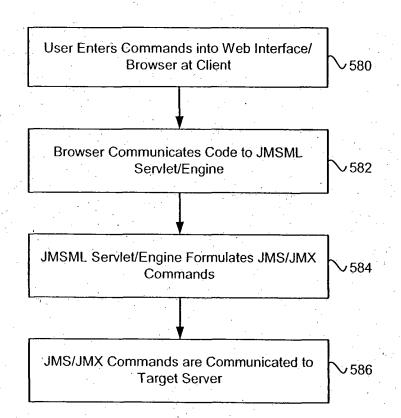   Sheet 15 of 19

FIGURE 15

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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User Opens Command-Line Interface at Client — 530

User Enters Commands to Invoke Java Method — 532

Corresponding Command (In XML Format) is Passed to JMSML Engine — 534

Engine Generates Appropriate JMS/JMX Commands and Communicates them to Server Results are Optionally Generated — 536

(Optionally) Store Results in Results File — 538

FIGURE 16

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA.....
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FIGURE 17

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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User Enters Commands into Web Interface/
Browser at Client   580

Browser Communicates Code to JMSML
Servlet/Engine   582

JMSML Servlet/Engine Formulates JMS/JMX
Commands   584

JMS/JMX Commands are Communicated to
Target Server   586

FIGURE 18

Title: COMMAND-LINE INTERFACE SYSTEM AND METHOD FOR JAVA...
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FIGURE 19